

**Remarks/Arguments**

Reconsideration of this application is requested.

**Claim Status**

Claims 1-29 are pending. Claims 10, 17 and 23 are amended.

**Claim Rejections – 35 USC 102(b)**

Claims 1 and 5 are rejected under 35 USC 102(b) as anticipated by Kubo (USPN 4,896,349). Applicant respectfully traverses this rejection and submits that claim 1, and claim 5 dependent thereon, distinguish over Kubo in their form as filed.

Claim 1 recites “a communication circuit comprising an integrated transformer having a single core, an input coil, a first output coil, and a second output coil”. Utilizing an integrated transformer provides a substantial reduction in costs when manufacturing the communication circuit, a reduction in the complexity of circuitry, and eases packaging constraints. In view of the large volumes attendant to sales of communication circuits, even a small reduction of cost can result in large savings to manufacturers. *See specification, page 9, paragraph [0027]*. A communication circuit comprising an integrated transformer is not disclosed or suggested by Kubo.

Contrary to the assertions of the Office Action, Kubo specifically discloses, in FIG. 2, that pulse transformer 25 is not formed as part of communication apparatuses 8, 9, 10, 11 or devices 12, 13, 14, 15. Clearly, as shown in FIG. 2, communication apparatuses 8, 9, 10, 11 of Kubo are externally connected to pulse transformer 25 via coaxial cable 16 and pair of wires 17.

Since Kubo does not disclose each and every element of claim 1, it cannot anticipate claim 1 or claim 5 dependent thereon. The rejections under 35 USC 102(b) should be withdrawn.

**Claim Rejections – 35 USC 103(a)**

Claims 2-4, 6-8, 10-26 and 28-29 are rejected under 35 USC 103(a) as obvious over Kubo in view of Yamano (USPN 6,597,768). Claims 9 and 27 are rejected as

obvious over Kubo in view of Yamano and further in view of Fawal (USPN 6,049,258). In response, independent Claims 10, 17, and 23 are amended to require an integrated transformer, and thus distinguish over Kubo for the same reasons discussed with reference to claim 1.

Yamano discloses, in reference to FIG. 1e, that DSL modem 116 supports ADSL protocol, but does not disclose or suggest that DSL modem 116 is integrated into computer 110 or is part of an integrated ADSL/LAN system for a computing device. Moreover, Yamano fails to disclose or suggest that any of its voice-band modems or DSL modems are integrated into a computing device. Fawal discloses the use multiple (non-integrated) transformers for transmission and reception, which increases manufacturing costs and is contrary to Kubo's teaching away from use of multiple transformers. Thus, neither Yamano nor Fawal remedies the deficiencies of Kubo. For these reasons, the rejections of claims 2-4 and 6-29 under 35 USC 103(a) should be withdrawn.

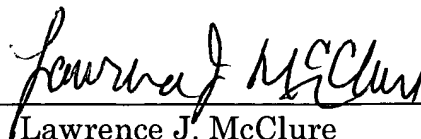
### Conclusion

This application is now believed to be in form for allowance. The examiner is invited to telephone the undersigned to resolve any issues that remain after entry of this amendment. Any fees due with this response may be charged to our Deposit Account No. 50-1314.

Respectfully submitted,  
HOGAN & HARTSON L.L.P.

Date: May 16, 2005

By: \_\_\_\_\_



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